MODIFIED PTO/SB/08 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Ac 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control

Sheet

Substitute for form 1449B/PTO Complete If Known 10/655,588 INFORMATION DISCLOSURE **Application Number** 09/05/2003 STATEMENT BY APPLICANT Filing Date First Named Inventor Willy LAGWINSKI Date Submitted: February 24, 2004 **Group Art Unit** Unassigned Unassigned (use as many sheets as necessary) **Examiner Name** Attorney Docket Number 072121-0318

| | | | | U.S. PATENT DOCUMENTS | S | · |
|---|--------------|----------------|--|---|--|--|
| Examiner Initials | Cite No.1 | U.S. Patent Do | Kind Code ² (# | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| # YAZ | A1 | 5,504,014 | known) | Lindsey et al. | 04/02/1996 | |
| | A2 | 2003/0213503 | | Price et al. | 11/20/2003 | |
| <i>//</i> | A3 | 6,274,323 | | Bruchez et al. | 08/14/2001 | |
| / | A4 | 6,037,180 | | Yorkgitis et al. | 03/14/2000 | |
| - | A5 | 5,571,018 | | Fitzgerald | 11/05/1996 | · · · · · · · · · · · · · · · · · · · |
| | A6 | 5,505,928 | · · · · · · · · · · · · · · · · · · · | Alivisatos et al. | 04/09/1996 | |
| _ | A7 | 5,262,357 | | Alivisatos et al. | 11/16/1993 | |
| • | A8 | 5,990,479 | | Weiss et al. | 11/23/1999 | |
| 1 | A9 | 6,322,901 | | Bawendi et al. | 11/27/2001 | |
| | A10 | 6,207,392 | | Weiss et al. | 03/27/2001 | |
| | A11 | 6,114,038 | | Castro et al. | 09/05/2000 | |
| | · A12 | 6,221,602 | | Barbara-Guillem et al. | 04/24/2001 | |
| | A13 | 6,235,540 | | Siman et al. | 05/22/2001 | |
| | A14 | 2001/0034034 | | Bruchez | 10/25/2001 | |
| | A15 | 2001/0055764 | - | Empedocles | 12/27/2001 | |
| | A16 | 2001/0023078 | | Bawendi | 09/20/2001 | |
| | A17 | 5,525,377 | | Gallagher et al. | 06/11/1996 | |
| _ | A18 | 5,537,000 | | Alivisatos et al. | 07/16/1996 | · · · · · · · · · · · · · · · · · · · |
| _ | A19 | 6,048,616 | | Gallagher et al. | 04/11/2000 | |
| | A20 | 6,179,912 | | Barbara-Guillem et al. | 01/30/2001 | |
| | A21 | 6,207,229 | ··· | Bawendi et al. | 03/27/2001 | · · · · · · · · · · · · · · · · · · · |
| | A22 | 6,221,602 | | Barbara-Guillem et al. | 04/24/2001 | |
| | A23 | 6,261,779 | | Barbara-Guillem et al. | 07/17/2001 | |
| | A24 | 6,274,323 | | Bruchez et al. | 08/14/2001 | |
| | A25 | 6,306,610 | | Bawendi et al. | 10/23/2001 | |
| | A26 | 6,306,736 | | Alivisatos et al. | 10/23/2001 | |
| | A27 | 6,309,701 | | Barbara-Guillem | 10/30/2001 | |
| | A28 | 6.319.426 | | Bawendi et al. | 11/20/2001 | |
| | A29 | 6,319,607 | | Barbara-Guillem et al. | 11/20/2001 | |
| | A30 | 6,322,901 | t | Bawendi et al. | 11/27/2001 | |
| | A31 | 6,326,144 | | Bawendi et al. | 12/04/2001 | |
| | A32 | 6,333,110 | 1 | Barbara-Guillem | 12/25/2001 | |
| _ | A33 | 6,423,551 | | Weiss et al. | 07/23/2002 | |
| 4 | A34 | 6,426,513 | | Bawendi et al. | 07/30/2002 | |
| | A35 | 6,225,198 | | Alivisatos et al. | 05/01/2001 | |
| | 7,00 | | | | 1 | |

| Examiner Signature Date Considered 5/20/2007 | | |
|--|------|--|
| | | |

*EXAMINED. Intelled if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450,

¹ Unique citation designation number. 2See attached Kinds of U.S. Patent Documents. 3Enter Office that Issued the document, by the two-letter code (WIPO Standard \$T.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible.

Applicant is to place a check mark here if English language Translation Is attached.

FOREIGN PATENT DOCUMENTS Pages, Columns, Lines, Where Relevant Date of Publication of Cite No. Patent Document Name of Patentee or Examiner **Cited Document** Kind Code5 **Applicant of Cited Documents** Passages or Relevant Initials* MM-DD-YYYY Number⁴ (if known) Figures Appear WO 99/26299 A36

| | | NON PATENT LITERATURE DOCUMENTS | _ | | |
|--|--------------|--|---|--|--|
| Examiner nitials* | Cite No.1 | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published. | | | |
| 191 | A37 | MURRAY et al., "Synthesis and Characterization of nearly Monodisperse CdE (E=S, Se, Te) Semiconductor Nanocrystallites," J. Am. Chem. Soc., vol. 115, pp. 8706-8715 (1993). | | | |
| | A38 | PENG et al., "Epitaxial Growth of Highly Luminescent CdSe/CdS Core/Shell Nanocrystals with Photostability and Electronic Accessibility," J. Am. Chem. Soc., vol. 119, pp. 7019-7029 (1997). | | | |
| | A39 | DABBOUSI et al., "(CdSe)ZnS Core-Shell Quantum Dots: Synthesis and Characterization of a Size Series of Highly Luminescent Nanocrystallites," J. Phys. Chem. B, vol. 101, pp. 9463-9475 (1997). | | | |
| A40 S. J. ROSENTHAL, "Bar-coding Biomolecules with Fluorescent Nanocrystals," Natur 19, pp. 621-622 (2001). | | S. J. ROSENTHAL, "Bar-coding Biomolecules with Fluorescent Nanocrystals," Nature Biotechnology, vol. 19, pp. 621-622 (2001). | | | |
| | A41 | PENG et al., "Shape Control of CdSe nanocrystals," Nature, vol. 404, pp. 59-61 (2000). | | | |
| | A42 | BRUCHEZ Jr. et al., "Semiconductor Nanocrystals as Fluorescent Biological Labels," Science, vol. 281, pp. 2013-2016 (1998). | | | |
| | A43 | GERION et al., "Sorting Fluorescent Nanocrystals with DNA," J. Am. Chem. Soc., vol. 124, pp. 7070-7074 (2002). | | | |
| 1 | A44 | HAN et al., "quantum-dot-tagged Microbeads for Multiplexed Optical Coding of Biomolecules," Nature Biotechnology, vol. 19, pp. 631-635s (2001). | | | |

| | | // | | |
|-----------------------|-----|----|--------------------|-----------|
| Examiner Signature | LDI | | Date Considered | 5/20/2007 |
| | | | | |

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.

^{*}EXAMINER: Initial inference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Unique citation designation number. 2See attached Kinds of U.S. Patent Documents. 3Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. %Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.